



# Figure 1

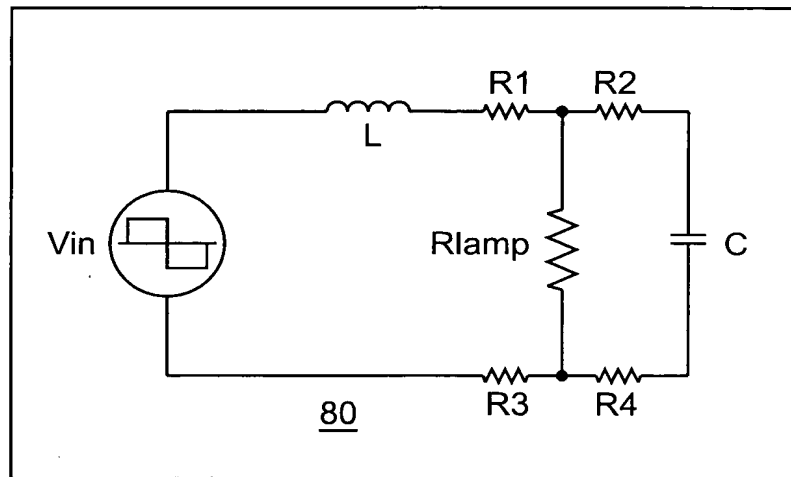


Figure 2

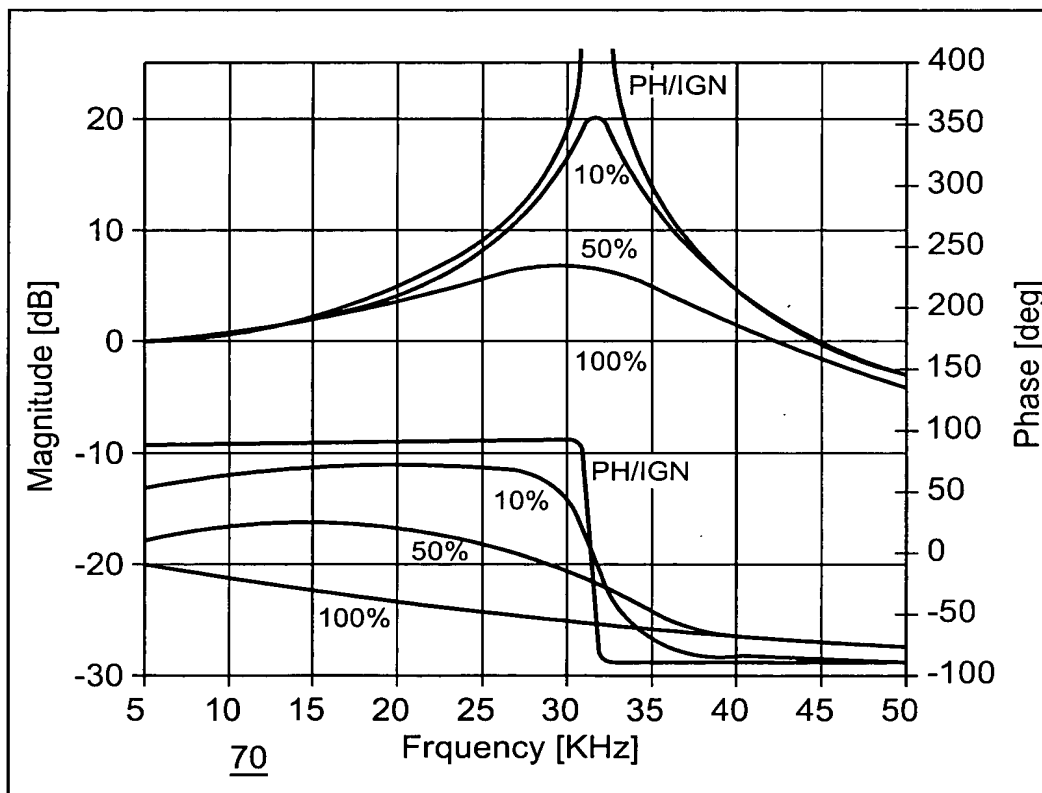


Figure 3

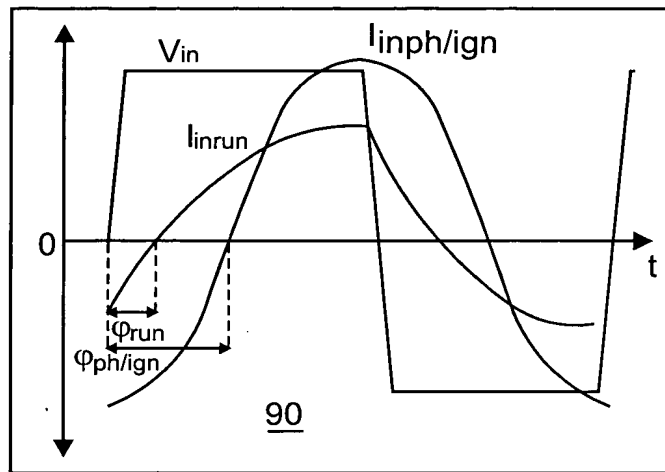


Figure 4

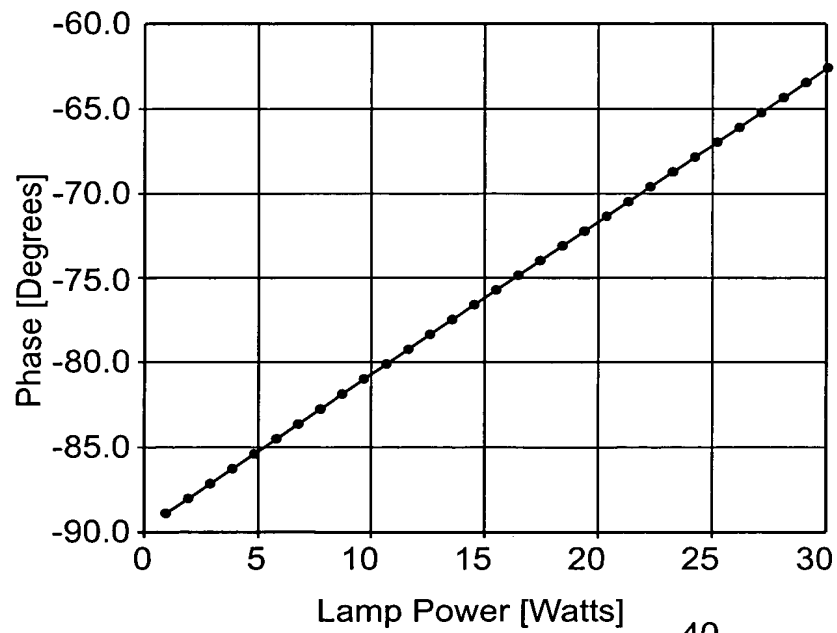


Figure 5

Timing diagram of the internal clamp voltage  $V_{c1}$  over time  $t$ . The voltage rises from 0V with a slope labeled "R1 & C1 Time Constant" until it reaches a peak labeled  $V_{uvlo+}$ . It then falls, crossing a threshold  $V_{uvlo-}$  and reaching a minimum labeled  $V_{uvlo-}$ . The hysteresis voltage  $V_{HYST}$  is the difference between  $V_{uvlo+}$  and  $V_{uvlo-}$ . The "Discharge Time" is the time from the peak to the minimum. The "Charge Pump Output" is the dashed line showing the voltage rising back to  $V_{uvlo+}$ .

### Figure 7

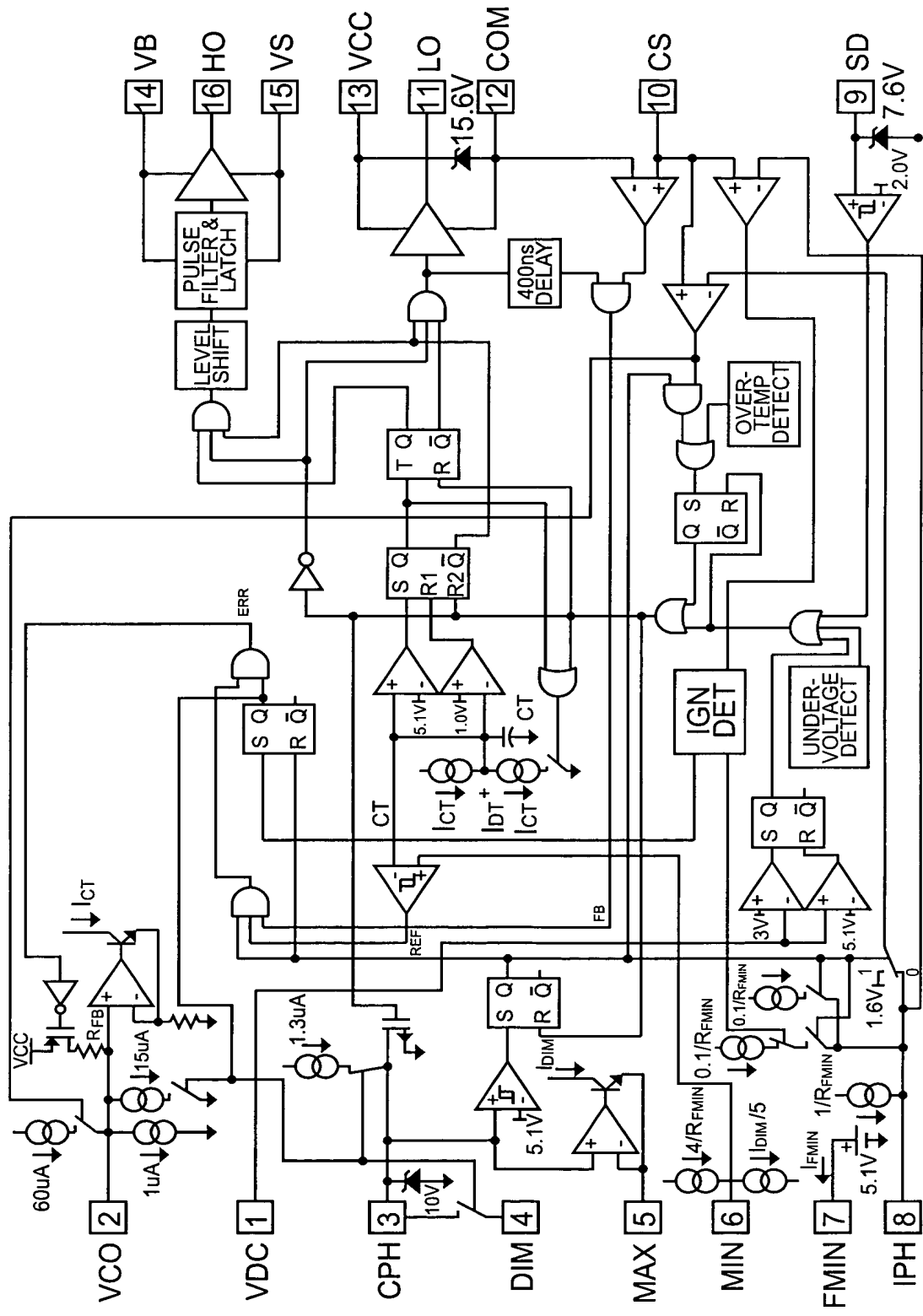


Figure 8

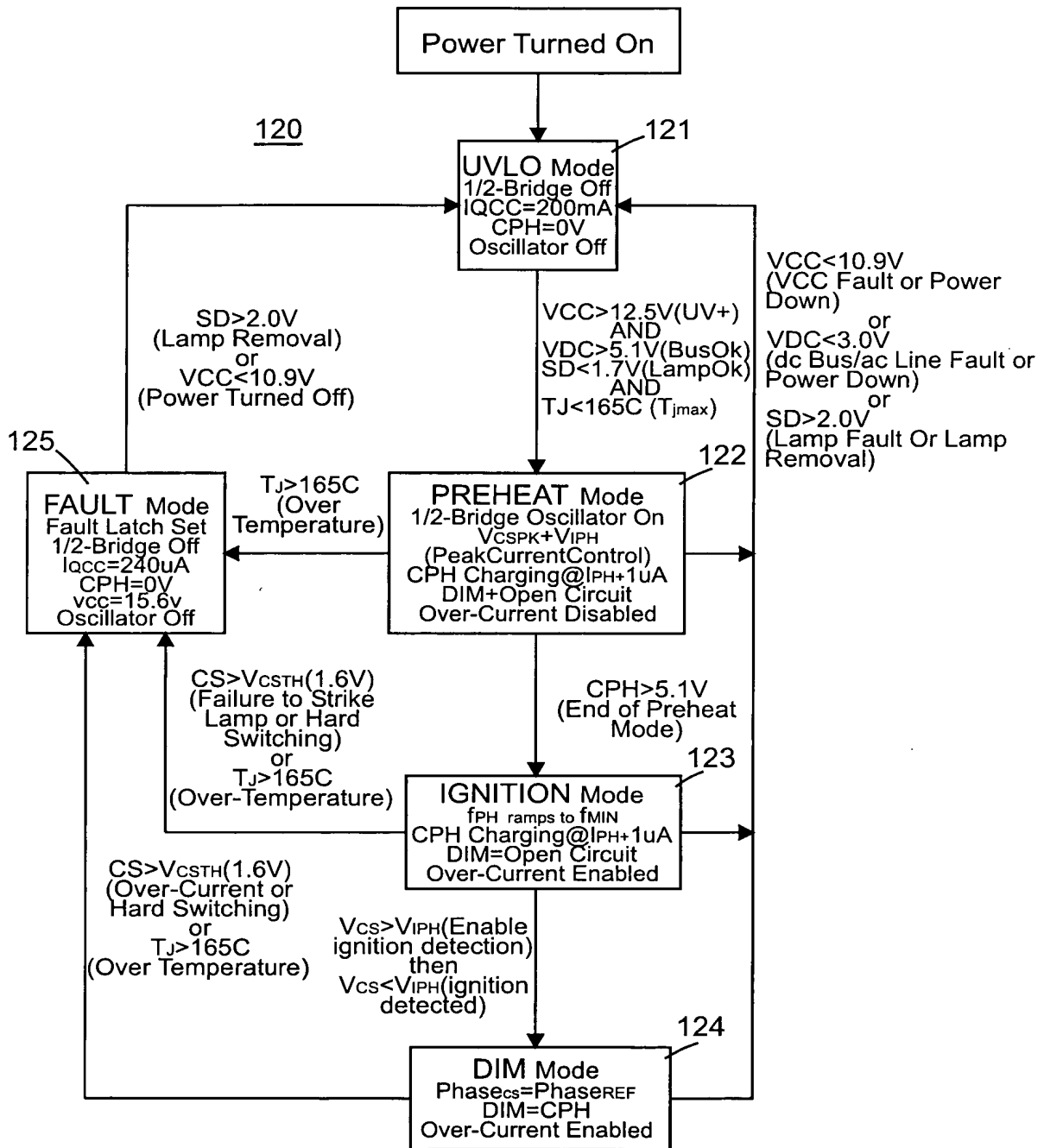


Figure 9

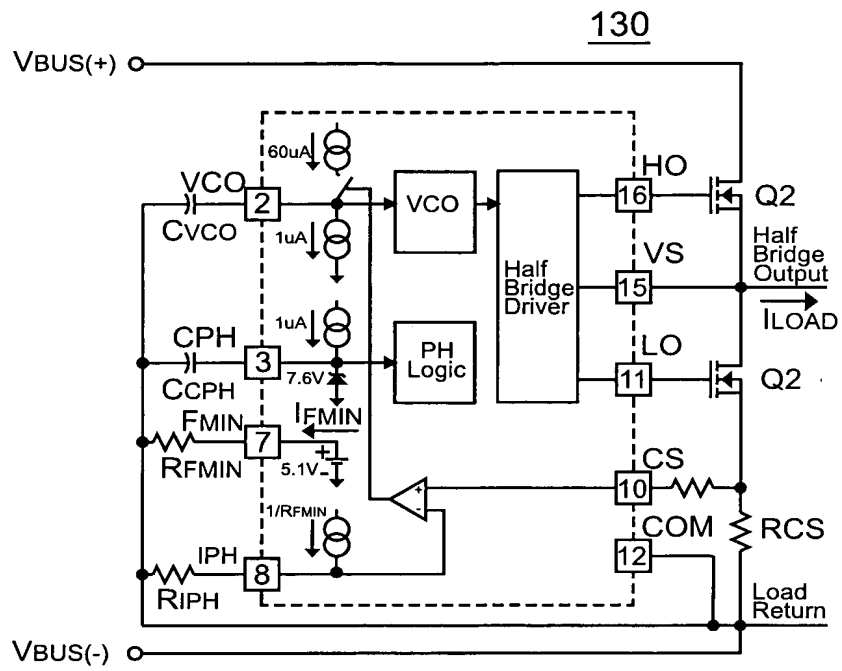


Figure 10

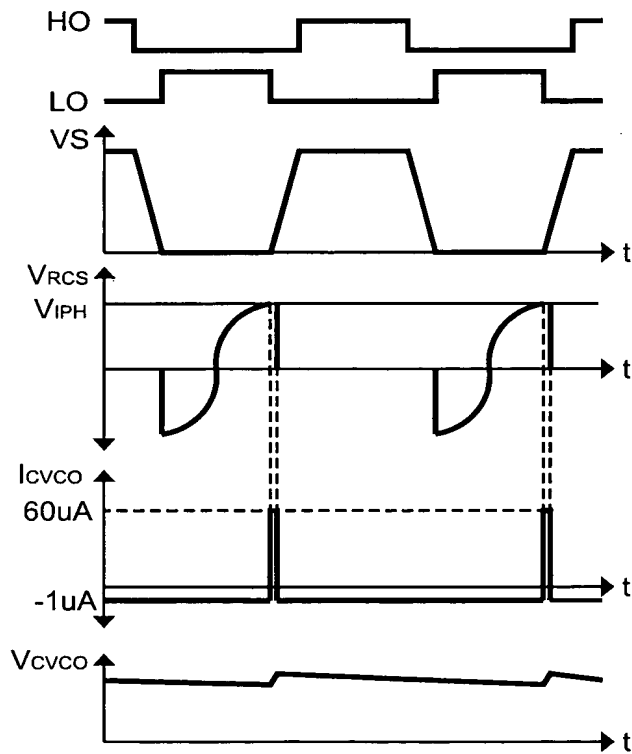


Figure 11

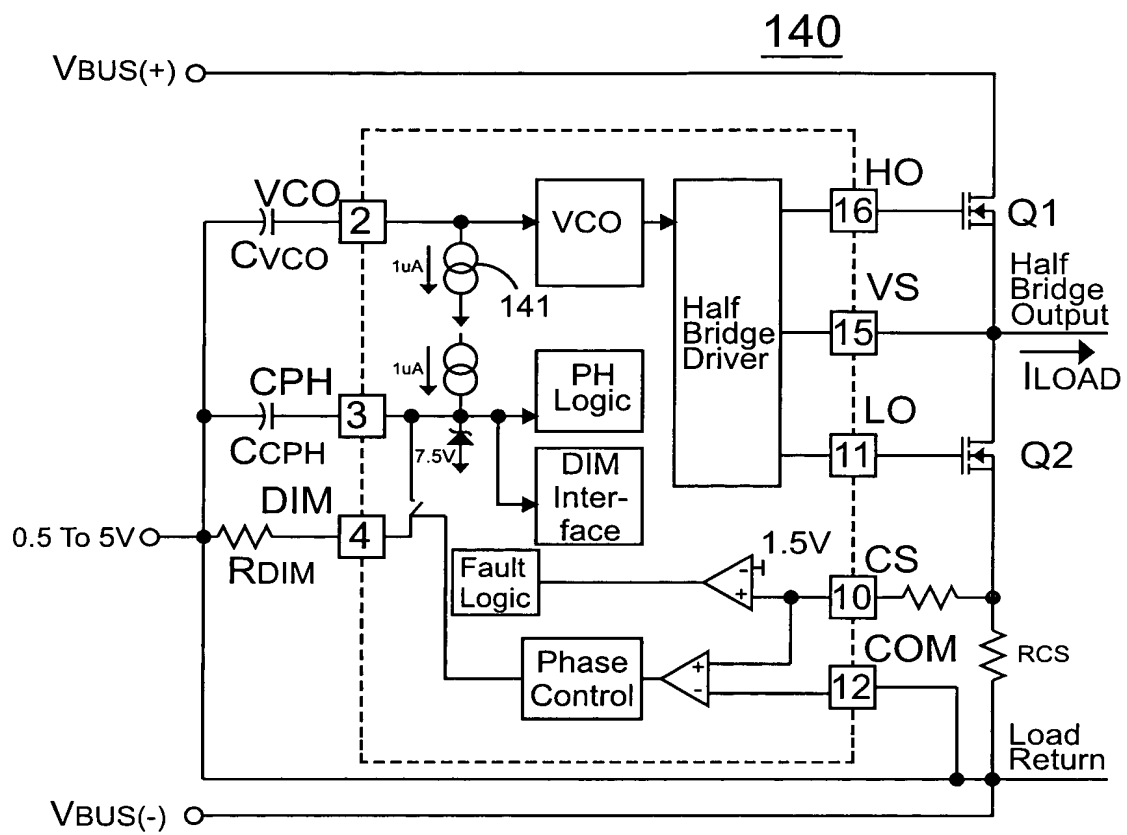


Figure 12

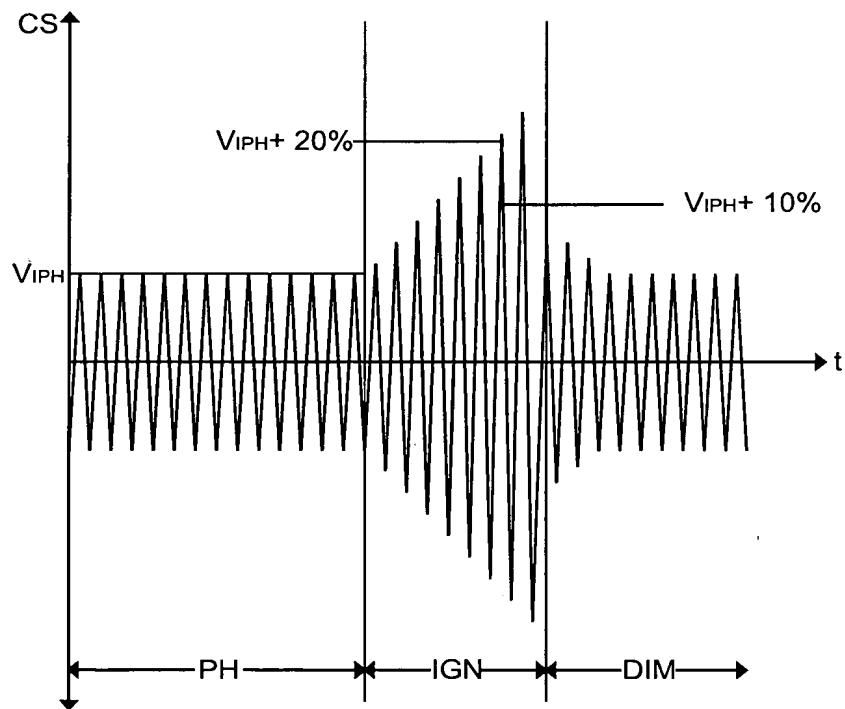


Figure 13



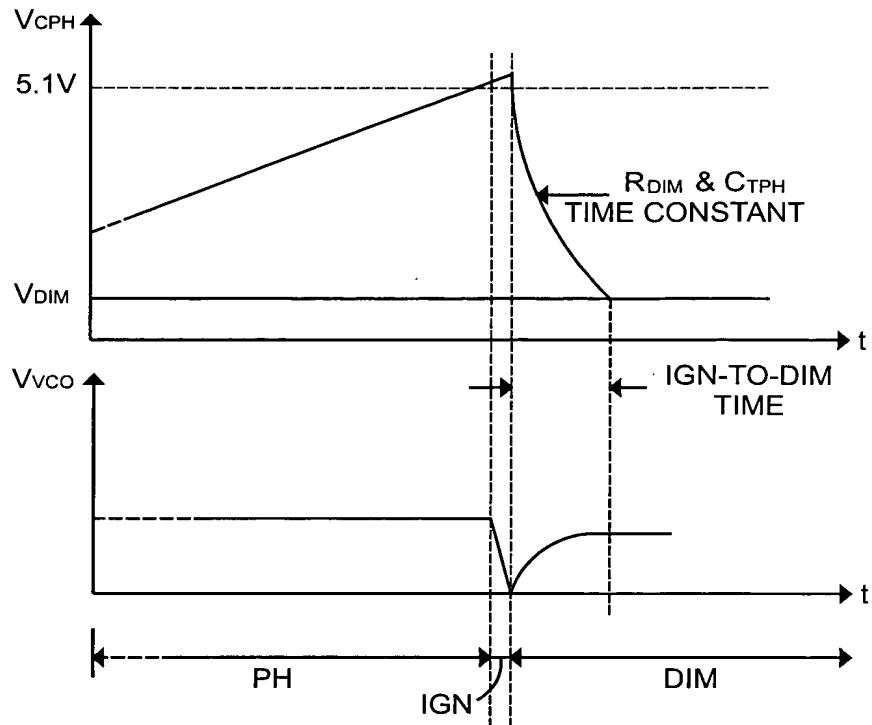


Figure 14

150

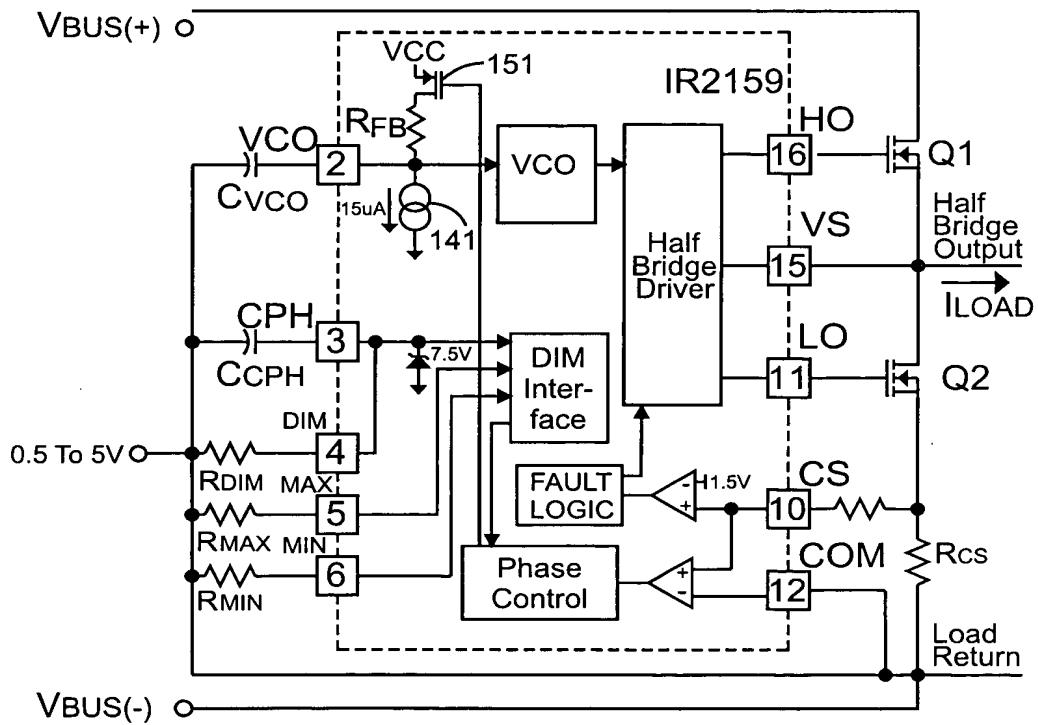


Figure 15

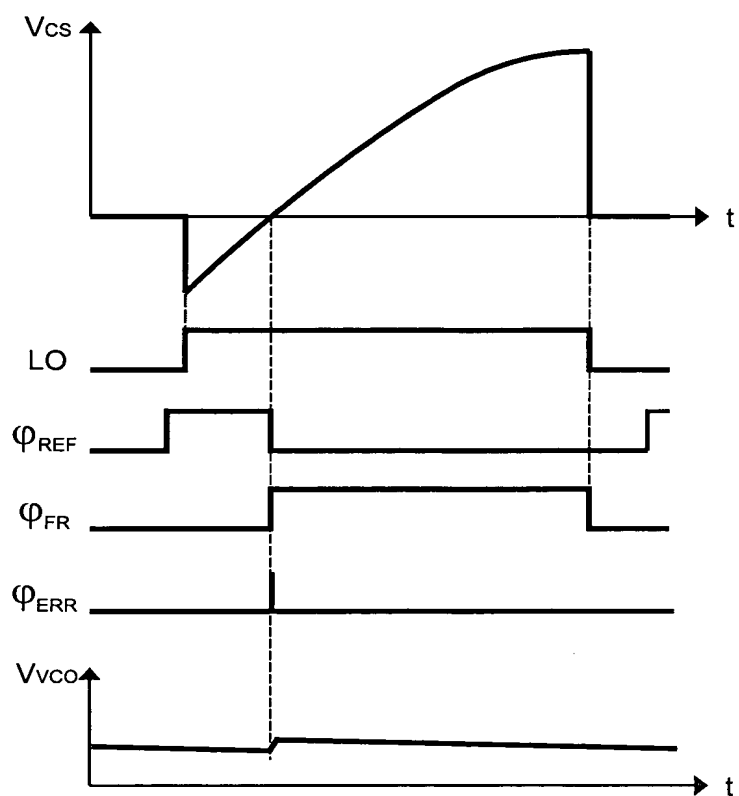


Figure 16

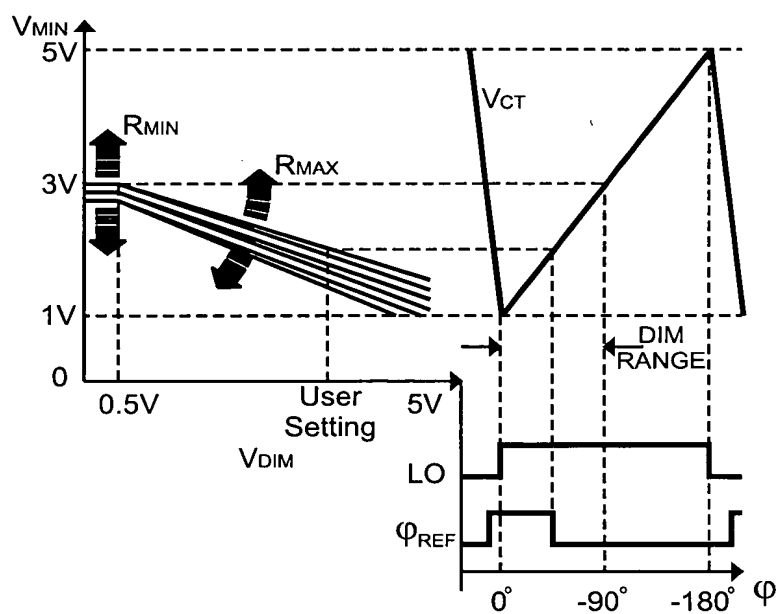


Figure 17

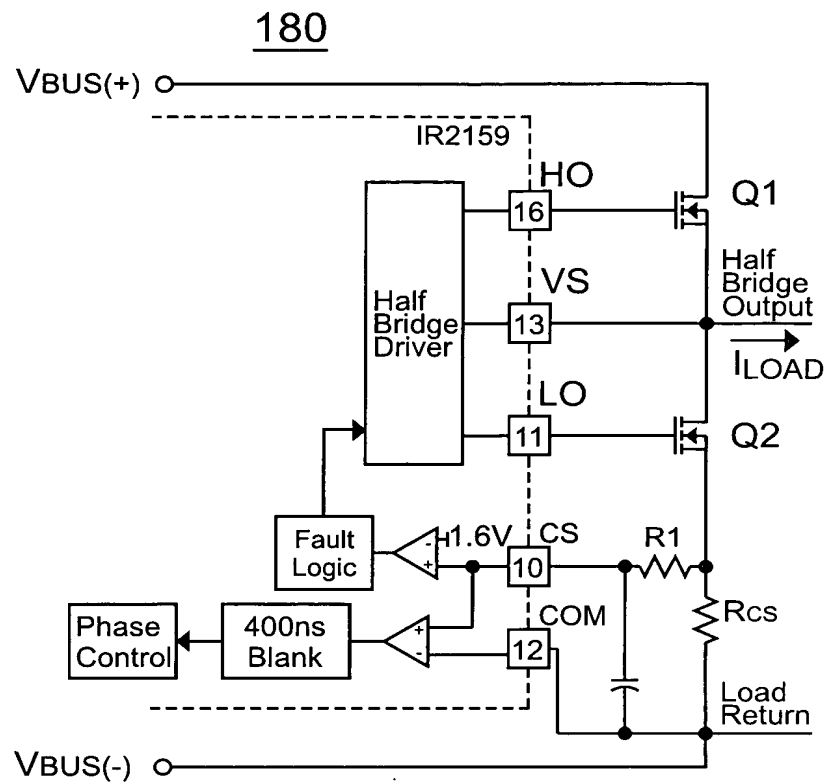


Figure 18

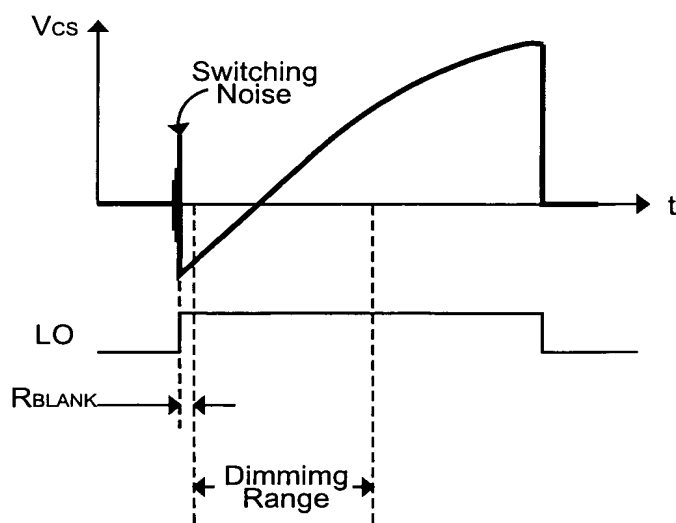


Figure 19

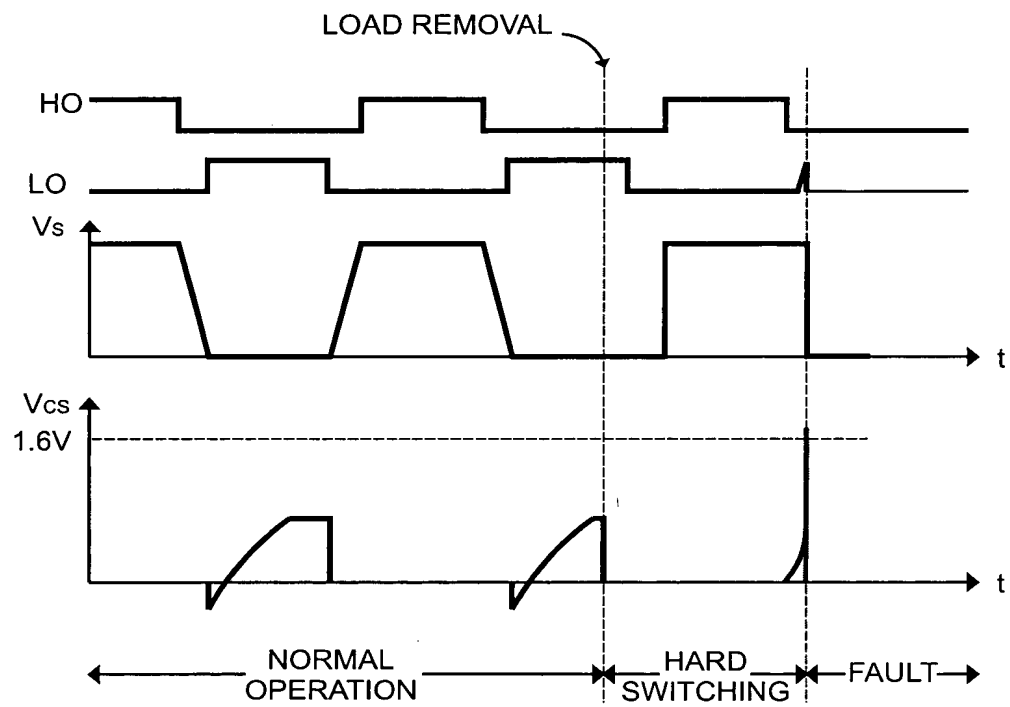


Figure 20